*** Draft Form Only: Do Not Submit to EPA ***

Form Status: Pending Certification

Validation Status: Passed with Possible Errors

	4 5 Additional								1B Number: 202	25-0009		
(IMPORT	ANT: Read instruc	ctions before completing form; ty	pe or use fill	l-and-print f	form)		Approval	Expires: 1	10/31/2014	DIE '	. ID M	Page 1 of 5
	EPA		F	FORM	R						FRDPC	
	United States nmental Protection					nmunity Right-to-know Act of 1986, adments and Reauthorization Act. Toxic Chemical, Category, or Compared to the compared to					or Generic Name	
	Agency									Dibuty	l phthal	late
	RE TO SEND LETED FORMS:		Fairfax	Box 10163 k, VA 22038	;	2. APPRO					STATE in Apper	
This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank:					nter u _l	p to two code(s))		Withdrawal (I	Enter up		code(s))
Importan	t: See Instructions	to determine when "Not Applica	ible (NA)" be	oxes should	be che	ecked.						
			Part I. FA	CILITY IDI	ENTIF	ICATION INFO	ORMATION	I				
SECTION	N 1. REPORTING	YEAR : <u>2012</u>										
SECTION	N 2. TRADE SEC	RET INFORMATION										
2.1 Are you claiming the toxic chemical identified on page 2 trade secret? [] Yes (Answer questions 2.2; attach substantiation forms) [X] NO (Do not answer 2.2; go to Section 3) 2.2 Is this copy [] Sanitized [] Unsanitized (Answer only if "Yes" in 2.1)												
		TION (Important: Read and sign										
and value	hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.											
Name and official title of owner/operator or senior management official: Draft Form Only: Do Not Submit to EPA						Signature:	0.1.5	NT 4 G	L transport			e Signed:
						Draft Fort	n Only: Do	Not Su	bmit to EPA		AA	/XX/XXXX
	N 4. FACILITY II	DENTIFICATION			1			1				
4.1				P			ty ID Numb	er	2414	1RDF	RDPOE	BOX
			BAE	•		blishment Name nance System	s Inc.					
R	Radford Army A	Street Ammunition Plant, 4050 Pe	ppers Ferr	y Road			Mailing A	Address (if o	lifferent from phys	sical stree	t address)	
		City/County/Tribe/State/ZIP Code:	2			City/State/ZIP Code Country (No Radford / VA / 24141				untry (Non-US)		
4.2	This (Important:	report contains information for : check a or b; check c or d if app	licable)	a. [X]	An Er	ntire facility	b. [] Part	of a facilit	y c.[]AF	ederal fa	ncility	d. [X] GOCO
4.3		Technical Contact name		J	ay Sto	ewart	jay.stew		il Address baesystems.com		Telephone Number (include area code) 5406397785	
4.4		Public Contact name		C	harlie	e Saks	charles.	Email Ad	l <u>dress</u> civ@mail.mil	Telepho		er (include area code) 815785
4.5		NAICS Code(s) (6 digits)		a. 3259 (Primar		b.	с.		d.		e.	f.
Dun and Bradstreet Number(s) (9 digits)												
	a. 078375499											
					b.							
SECTIO	N 5. PARENT CO	MPANY INFORMATION										
5.1	Name of U.S. Par (for TRI Reportin	g purposes)		В	AE s	ystems Inc., (Ordnance S	Systems 1	Inc.			rent Company ting purposes) []
5.2	Parent Company's	Dun & Bradstreet Number		NA []				078375499			

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DO NOT RELEASE Page 2 of 5 **FOIA EXEMPT**

ENFORCEMENT CONFIDENTIAL 2 3 4 5 Additional Info

				TRI Facility ID Number					
	EPA FO			24141	RDFRDPOBOX				
	PART II. CHEMICAL - SP	ECIFIC	INFORMATION	Toxic Chemica	al, Category, or Generic Name				
				Dil	outyl phthalate				
SECTIO	N 1. TOXIC CHEMICAL IDENTITY (In	portant: DO	O NOT complete this section if you are report	ing a mixture component	in Section 2 below.)				
	CAS Number (Important: Enter only of	ne number	exactly as it appears on the Section 313 list. I	Enter category code if repo	orting a chemical category.)				
1.1			84742						
	Toxic Chemical or Chemic	cal Categor	y Name (Important: Enter only one name exa	ctly as it appears on the S	ection 313 list.)				
1.2			Dibutyl phthalate						
	Generic Chemical Name (Importa	nt: Comple	te only if Part I, Section 2.1 is checked "Yes".	. Generic Name must be s	tructurally descriptive).				
1.3			NA						
SECTIO	N 2. MIXTURE COMPONENT IDENTITY (Impo	ortant: DO	NOT complete this section if you completed S	Section 1 above.)					
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, spaces, and punctuation.)								
2.1			NA						
	N 3. ACTIVITIES AND USES OF THE TOXIC C nt: Check all that apply.)	CHEMICAI	AT THE FACILITY						
3.1	Manufacture the toxic chemical:	3.2	Process the toxic chemical:	3.3 Oth	erwise use the toxic chemical:				
	a. [] Produce b. [] Import								
If produce or import: c. [] For on-site use/processing d. [] For sale/distribution e. [] As a byproduct f. [] As an impurity			a. [] As a reactant b. [X] As a formulation component c. [] As an article component d. [] Repackaging e. [] As an impurity	i] As a chemical processing aid o. [] As a manufacturing aid c. [] Ancillary or other use				
SECTIO	N 4. MAXIMUM AMOUNT OF THE TOXIC CH	EMICAL (ON-SITE AT ANY TIME DURING THE CA	LENDAR YEAR					
4.1		[0 4] (Enter two-digit code from instruction pa	ckage.)					
SECTIO	N 5.QUANTITY OF THE TOXIC CHEMICAL E	NTERING	EACH ENVIRONMENTAL MEDIUM ON-	SITE					
			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (Enter code)	C. Percent from Stormwater				
5.1	Fugitive or non-point air emissions	NA []	0.8	0					
5.2	Stack or point air emissions	NA []	6.5	0					
5.3	Discharges to receiving streams or water bodies (Enter one name per box)	NA []							
	Stream or Water Body Name								

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

New River

*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

0%

M2

5.3. 1

0

DO NOT RELEASE Page 3 of 5 **ENFORCEMENT CONFIDENTIAL** FOIA EXEMPT

3 4 5 Additional Info

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED

TRI	Facili	ity ID	Numb	10

24141RDFRDPOBOX

Toxic Chemical, Category, or Generic Name

Dibutyl phthalate

SECTIO	SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (Continued)									
		NA	A. Total Release (pounds/year*) (Enter range code** or estimate)	B. Basis of Estimate (Enter code)						
5.4.1	Underground Injection on-site to Class I wells	[X]								
5.4.2	Underground Injection on-site to Class II-V wells	[X]								
5.5	Disposal to land on-site									
5.5.1.A	RCRA subtitle C landfills	[X]								
5.5.1.B	Other landfills	[X]								
5.5.2	Land treatment/application farming	[X]								
	RCRA Subtitle C surface impoundments	[X]								
5.5.3B	Other surface impoundments	[X]								
5.5.4	Other disposal	[X]								

NA [**X**]

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

1 2 3 4 5 Additional Info

									TRI Facility ID	Number				
EPA FORM R									24141RDFRDP	ОВОХ				
	PART II. C	HEMICAL -	SPECIFIC IN	FORMATION (CONTINU	J ED))			Toxic Chemical, Category,	, or Generic Name				
									Dibutyl phth	alate				
6.2 TRA	NSFERS TO OTH	IER OFF-SITE LO	CATIONS	NA	[]									
	6.2.1 Off-Site EPA Identification Number (RCRA ID No.)							MND081138604						
		Off-Site Lo	ocation Name:			ALLIANT TECHSYSTEMS PROVING GROUND								
	Off-Site Address:						23100 SUGAR BUSH RD. N.W.							
City	SAINT F	RANCIS	County	Anoka	Sta	ite	MN	Zip	55070	Country (Non-US)				
	Is loca	ation under control	of reporting facil	ity or parent company?		[] Yes [X] No								
	A. Total Tra (Enter range	ansfer (pounds/year e code** or estima	r*) te)	B. Basis of Estimate (Enter code)					Type of Waste Treatment/D cling/Energy Recovery (En					
1 . 3850.6 1 . C									1 . M50					
	6.2.2 (Off-Site EPA Ident	ification Number	(RCRA ID No.)					LAD981055791					
Off-Site Location Name:								CLEAN	HARBORS COLFAX	X LLC				
Off-Site Address:						3763 HIGHWAY 471								
City	COL	FAX	County	Grant	Sta	ıte	LA	Zip	714170000	Country (Non-US)				
	Is loca	ation under control	of reporting facil	ity or parent company?					[] Yes [X]	No				
		unsfer (pounds/year e code** or estima		B. Basis of Estimate (Enter code)		C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)								
	1.2	2786.6		1 . C		1 . M50								
	6.2.3 (Off-Site EPA Ident	ification Number	(RCRA ID No.)	IAR000005876									
		Off-Site L	ocation Name:		Advanced Environmental Technology Inc.									
		Off-Sit	e Address:		Highway 79									
City	Middle	etown	County	Des Moines	Sta	ıte	IA	Zip	52638	Country (Non-US)				
	Is loca	ation under control	of reporting facil	ity or parent company?					[] Yes [X]	No				
		ansfer (pounds/year e code** or estima		B. Basis of Estimate (Enter code)					Type of Waste Treatment/D cling/Energy Recovery (En					
	1.1	477.3		1 . C					1 . M50					
			SECTION 7A.	ON-SITE WASTE TREATMENT	METI	HOD	S AND	EFFICIE	ENCY					
[] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any wa					waste	e stre	am cont	aining th	e toxic chemical or chemic	al category.				
a. General Waste Stream (Enter code) b. Waste Treatment Method(s) Sequence (Enter 3- or 4-character code(s))									c. Waste Treatmen Efficiency (Enter 2 character co					
	7A.1a			7A.1b					7A.1c					
	W		2 : H 0	081 3: H123					E4					
	7A.2a			7A.2b					7A.2c					
S 2:H040					E3									

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*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

1 2 3 4 5 Additional Info

EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

24141RDFRDPOBOX

Toxic Chemical, Category, or Generic Name

Dibutyl phthalate

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] NA - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [Enter 3-character code(s)]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] NA - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [Enter 3-character code(s)]

	ON 8. DISPOSAL OR OTHER RELEASES, SOURCE REDUCTION, AND RE			Column B	Column C	Column D	
		Pı	olumn A rior Year ınds/year*)	Current Reporting Year (pounds/year*)	Following Year (pounds/year*)	Second Followin Year (pounds/year*)	
8.1							
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA	
8.1b	Total other on-site disposal or other releases		24	7.3	20	20	
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		2.4	NA	5	5	
8.1d	Total other off-site disposal or other releases		30	NA	NA	NA	
8.2	Quantity used for energy recovery on-site		NA	NA	NA	NA	
8.3	Quantity used for energy recovery off-site		NA	NA	NA	NA	
8.4	Quantity recycled on-site		NA	NA	NA	NA	
8.5	Quantity recycled off-site		NA	NA	NA	NA	
8.6	Quantity treated on-site		4359	6616.4	9000	9000	
8.7	Quantity treated off-site		NA	8114.5	9000	9000	
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes	es (pounds/ye	ar)	NA NA			
8.9	Production ratio or activity index		0.48				
8.10	Did your facility engage in any newly implemented source reduction activities reporting year? If so, complete the following section; if not, check	emical during the	NA [X]				
	Source Reduction Activities (Enter code(s))		Methods to Identify Activity (Enter code(s))				
3.10. 1	NA						

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

*For Dioxin and Dioxin-like Compounds, report in grams/year

2	2	4	-	Additional Info	
		- 4	.)	- Additional Info	

TRI Facility ID Number

24141RDFRDPOBOX

Toxic Chemical, Category, or Generic Name

Dibutyl phthalate

Additional optional information on source reduction, recycling, or pollution control activities.

Miscellaneous, additional, or optional information regarding the Form R submission

Form Status: Certified and Sent to USEPA **Validation Status: Passed with Possible Errors**

1 2 3	4 5 Additional	l Info	Form Approved OMB Number: 2025-0009									
		ctions before completing form; ty	pe or use fill	-and-print f	orm)		Approval	Expires: 1	0/31/2014			Page 1 of 5
			_		_				T	TRI Facil	ity ID Num	ıber
ī	EPA United States			FORM R					24141SDDSRPOBOX			
	nmental Protection Agency			anning and Community Right-to-know Act of 1986, uperfund Amendments and Reauthorization Act.					Toxic Chemical, Category, or Generic Name			
										Dibutyl	phthalat	e
	RE TO SEND			ata Processii		nter			2 + DDF	ODDIA	TE CT A TE	OPEIGE
COMPI		O. Box 1010 rfax, VA 22					1		TE STATE ons in Appe			
		*** File Copy (Only: Do N	ot Submit	Pape	er Form to El	PA ***		<u> </u>			
		blies if you are revising or viously submitted form,	Re	evision (Er	nter u	p to two code((s))		Withdrawal (l	Enter up	to two co	ode(s))
		e leave blank:		[RF	R4]	[RR5]				[][]]	
Importan	t: See Instructions	to determine when "Not Applica	ble (NA)" bo	oxes should	be che	ecked.						
			Part I. FA	CILITY IDI	ENTIF	FICATION INF	ORMATION	1				
	N 1. REPORTING											
SECTION	N 2. TRADE SEC	RET INFORMATION										
		xic chemical identified on page 2		?	2.2 Is	s this copy						
		uestions 2.2; attach substantiation answer 2.2; go to Section 3)	n forms)				d [] Unsanit dy if "Yes" i					
SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.) hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts												
and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.												
Name and official title of owner/operator or senior management official				:	Sign	nature:					Date	Signed:
File Copy Only: Do Not Submit Paper Form to EPA					File	Copy Only:	Do Not Su	bmit Pap	er Form to E	PA	XX	XX/XXXX
SECTION	N 4. FACILITY II	DENTIFICATION										
4.1							lity ID Numl	per	241	41SDDS	SRPOBO	X
		U.S.	ARMY R			blishment Name MY AMMUN						
	RT 114 RAI	Street DFORD ARMY AMMUNIT	ΓΙΟΝ PLA	NT		Mailing Address (if different from physical street address) RADFORD ARMY AMMUNITION PLANT						
	RADFORD	City/County/Tribe/State/ZIP Code: / Montgomery / BIA Code:		4141		City/State/ZIP Code					ry (Non-US)	
4.2		report contains information for : check a or b; check c or d if app		a. [X]	An Eı	ntire facility	b. [] Part	of a facilit	y c.[X]	A Federa	l facility	d.[]GOCO
	(===	The second secon		<u>, </u>			1	Email Ad	drace	1		,
4.3		Technical Contact name		J	ay St	ewart	jay.stev		esystems.com	Telephor	ne Number (1 5406397	include area code) 7785
4.4		Public Contact name		C	harli	e Saks	charles	Email Ad .e.saks3.c	dress civ@mail.mil	Telephor	ne Number (5407315	include area code)
4.5		NAICS Code(s) (6 digits)		a. 928110 (Primary)		b.	С		d.		e	f.
Dun and Bradstreet												
Number(s) (9 digits) a. NA												
a. IVA b.												
SECTIO	N 5. PARENT CO	OMPANY INFORMATION										
5.1	Name of U.S. Par	ent Company			TIC	DEPARTME	ENT OF D	FFFNSF	ı			t Company
	(for TRI Reportin			X			ATT OF D	ET ENGE	•	(for Tl	RI Reportin	g purposes) []
5.2	rarent Company's	Dun & Bradstreet Number		NA [X	<u> </u>							

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1 2 3 4 5 Additional Info

ENFORCEMENT CONFIDENTIAL

					TRI I	Facility ID Number			
	EPA FO	RM R		24141SDDSRPOBOX					
	PART II. CHEMICAL - SPECIFIC INFORMATION Toxic Chemical, Category, or Generic Name								
					Dib	utyl phthalate			
SECTIO	ON 1. TOXIC CHEMICAL IDENTITY (Imp	portant: D	O NOT complete this section if you are repor	ting a mixture	e component i	n Section 2 below.)			
	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)								
1.1			84742						
	Toxic Chemical or Chemic	al Categor	y Name (Important: Enter only one name exa	ctly as it app	ears on the Se	ction 313 list.)			
1.2			Dibutyl phthalate						
1.2	Generic Chemical Name (Importan	t: Comple	te only if Part I, Section 2.1 is checked "Yes"	. Generic Na	me must be str	ructurally descriptive).			
1.3			NA						
SECTIO	ON 2. MIXTURE COMPONENT IDENTITY (Impo	rtant: DO	NOT complete this section if you completed	Section 1 abo	ve.)				
2.1	Generic Chemical Name Provid	led by Sup	plier (Important: Maximum of 70 characters,	including nu	mbers, spaces	, and punctuation.)			
2.1			NA						
	ON 3. ACTIVITIES AND USES OF THE TOXIC CL ant: Check all that apply.)	HEMICAI	. AT THE FACILITY						
3.1	Manufacture the toxic chemical:	3.2 Process the toxic chemical: 3.3 Otherwise u				erwise use the toxic chemical:			
	a. [] Produce b. [] Import	,		<u> </u>					
	If produce or import: c. [] For on-site use/processing d. [] For sale/distribution e. [] As a byproduct f. [] As an impurity a. [] As a reactant a. [] As a chemical processing aid b. [X] As a formulation component b. [] As a manufacturing aid c. [] As a manufacturing aid c. [] An impurity a. [] As a chemical processing aid c. [] As a manufacturing aid c. [] As a manufacturing aid c. [] As an impurity								
SECTIO	ON 4. MAXIMUM AMOUNT OF THE TOXIC CHI	EMICAL (ON-SITE AT ANY TIME DURING THE CA	LENDAR Y	EAR				
4.1		[04] (Enter two-digit code from instruction pa	ckage.)					
SECTIO	ON 5.QUANTITY OF THE TOXIC CHEMICAL EN	TERING	EACH ENVIRONMENTAL MEDIUM ON-	-SITE					
			A. Total Release (pounds/year*) (Enter range code or estimate**)		of Estimate code)	C. Percent from Stormwater			
5.1	Fugitive or non-point air emissions	NA[]	0.8	C)				
5.2	Stack or point	NA[]	6.5	C)				

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

Stream or Water Body Name

New River

NA []

Discharges to receiving streams or

5.3. 1

water bodies (Enter one name per box)

*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

0%

M2

0

DO NOT RELEASE Page 3 of 5 **ENFORCEMENT CONFIDENTIAL FOIA EXEMPT**

3 4 5 Additional Info

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

	Numbe

24141SDDSRPOBOX

Toxic Chemical, Category, or Generic Name

Dibutyl phthalate

SECTIO	N 5. QUANTITY OF THE TOXIC CH	HEMIC/	AL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (Continued)	
		NA	A. Total Release (pounds/year*) (Enter range code** or estimate)	B. Basis of Estimate (Enter code)
5.4.1	Underground Injection on-site to Class I wells	[X]		
5.4.2	Underground Injection on-site to Class II-V wells	[X]		
5.5	Disposal to land on-site			
5.5.1.A	RCRA subtitle C landfills	[X]		
5.5.1.B	Other landfills	[X]		
5.5.2	Land treatment/application farming	[X]		
5.5.3A	RCRA Subtitle C surface impoundments	[X]		
5.5.3B	Other surface impoundments	[X]		
5.5.4	Other disposal	[X]		

NA [**X**]

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

E3

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ENFORCEMENT CONFIDENTIAL

TRI Facility ID Number 24141SDDSRPOBOX EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED) Toxic Chemical, Category, or Generic Name Dibutyl phthalate 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS NA [] OHD980613541 6.2.1 Off-Site EPA Identification Number (RCRA ID No.) Off-Site Location Name: **HERITAGE-WTI INC** Off-Site Address: 1250 ST GEORGE ST Country EAST LIVERPOOL OH 439203471 City County Columbiana State Zip (Non-US) Is location under control of reporting facility or parent company? [] Yes [X] No B. Basis of Estimate C. Type of Waste Treatment/Disposal/ A. Total Transfer (pounds/year*) Recycling/Energy Recovery (Enter code) (Enter range code** or estimate) (Enter code) 1.5913.6 1.C 1. **M50** 6.2.2 Off-Site EPA Identification Number (RCRA ID No.) MND081138604 Off-Site Location Name: ALLIANT TECHSYSTEMS PROVING GROUND Off-Site Address: 23100 SUGAR BUSH RD. N.W. Country City **SAINT FRANCIS** County **Anoka** State MN Zip 55070 (Non-US) Is location under control of reporting facility or parent company? [] Yes [X] No A. Total Transfer (pounds/year*) (Enter range code** or estimate) B. Basis of Estimate C. Type of Waste Treatment/Disposal/ (Enter code) Recycling/Energy Recovery (Enter code) 1.3850.6 1.C 1. **M50** LAD981055791 6.2.3 Off-Site EPA Identification Number (RCRA ID No.) CLEAN HARBORS COLFAX LLC Off-Site Location Name: Off-Site Address: 3763 HIGHWAY 471 Country City **COLFAX** State LA 714170000 Grant (Non-US) Is location under control of reporting facility or parent company? [] Yes [X] No A. Total Transfer (pounds/year*) (Enter range code** or estimate) B. Basis of Estimate C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code) (Enter code) 1.2786.6 1. C 1. M50 6.2.4 Off-Site EPA Identification Number (RCRA ID No.) IAR000005876 Off-Site Location Name: **Advanced Environmental Technology Inc.** Off-Site Address: **Highway 79** Country City Middletown **Des Moines** State IA Zip 52638 County (Non-US) Is location under control of reporting facility or parent company? [] Yes [X] No A. Total Transfer (pounds/year*) B. Basis of Estimate C. Type of Waste Treatment/Disposal/ (Enter range code** or estimate) (Enter code) Recycling/Energy Recovery (Enter code) 1.1477.3 1. C SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY [] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category. a. General c. Waste Treatment b. Waste Treatment Method(s) Sequence Waste Stream Efficiency (Enter 3- or 4-character code(s)) (Enter 2 character code) (Enter code) 7A.1a 7A.1b 7A.1c 2: H081 3: H123 W NEICXB1068E02 Appendix EPCRA 313 C Radford Army Ammunition Plant (RFAAP) 7A.2b Page 10 of 39 Radford, Virginia

2: **H040**

FOIA EXEMPT

L 2 3 4 5 Additional Info

EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

24141SDDSRPOBOX

Toxic Chemical, Category, or Generic Name

Dibutyl phthalate

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] NA - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [Enter 3-character code(s)]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] NA - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [Enter 3-character code(s)]

		F	Column A Prior Year unds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)		
8.1								
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA		
8.1b	Total other on-site disposal or other releases		24	7.3	20	20		
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		2.4	NA	NA	NA		
8.1d	Total other off-site disposal or other releases		30	NA	NA	NA		
8.2	Quantity used for energy recovery on-site		NA	NA	NA	NA		
8.3	Quantity used for energy recovery off-site		NA	NA	NA	NA		
8.4	Quantity recycled on-site		NA	NA	NA	NA		
8.5	Quantity recycled off-site		NA	NA	NA	NA		
8.6	Quantity treated on-site		4359	6616.4	9000	9000		
8.7	Quantity treated off-site		NA	14028.1	9000	9000		
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)				NA NA			
8.9	Production ratio or activity index	0.48						
8.10	Did your facility engage in any newly implemented source reduction activities for this chemical during the reporting year? If so, complete the following section; if not, check NA.				NA [X]			
	Source Reduction Activities (Enter code(s))		Me	thods to Identify Activ	vity (Enter code((s))		
8.10. 1	NA							

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

*For Dioxin and Dioxin-like Compounds, report in grams/year

2	2	4	-	Additional Info	
		- 4	.)	- Additional Info	

TRI Facility ID Number

24141SDDSRPOBOX

Toxic Chemical, Category, or Generic Name

Dibutyl phthalate

Additional optional information on source reduction, recycling, or pollution control activities.

Miscellaneous, additional, or optional information regarding the Form R submission

*** Draft Form Only: Do Not Submit to EPA ***

Form Status: Pending Certification

Validation Status: Passed with Possible Errors

1 2 3	4 5 Additiona	<u>l Info</u>	(*1)		• \				Number: 202	3-0009		D 1 65
IMPORT	AN1: Read instruc	ctions before completing form; ty	pe or use fill	-ana-print f	orm)		Approval I	Expires: 10/		RI Facil	ity ID N	Page 1 of 5 umber
	EPA	1 014.1						-			FRDPC	
United States Environmental Protection Section 313 of the Emergency Planning an					ng and Community Right-to-know Act of 1986, rfund Amendments and Reauthorization Act.					Toxic Chemical, Category, or Generic Name		
	. igeney]	Lead C	ompou	nds
WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing P.O. Box 10162 Fairfax, VA 2202 *** Draft Form Only: Do Not S				Box 10163 x, VA 22038	;	to EPA ***			2. APPROF			
This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank:				evision (Er	nter up	to two code(s))	W	ithdrawal (I	Enter up		code(s))
Importan	t: See Instructions	to determine when "Not Applica	ıble (NA)" bo	oxes should								
			Part I. FA	CILITY IDI	ENTIF.	ICATION INFO	ORMATION					
	N 1. REPORTING											
SECTION	N 2. TRADE SEC	RET INFORMATION			1							
2.1 Are you claiming the toxic chemical identified on page 2 trade secret? [] Yes (Answer questions 2.2; attach substantiation forms) [X] NO (Do not answer 2.2; go to Section 3)			?	2.2 Is		[] Unsanitiz ly if "Yes" in						
		TION (Important: Read and sign a										
I hereby certify that I have reviewed the attached documents and that, to the best of mand values in this report are accurate based on reasonable estimates using data available.						the preparers of		itted inform	ation is true a	nd comp		
Name and official title of owner/operator or senior management official			:		Signature:					-	e Signed:	
		Not Submit to EPA				Draft Forn	n Only: Do	Not Subn	nit to EPA		XX	/XX/XXXX
	N 4. FACILITY II	DENTIFICATION			1			1				
4.1				Facility	on Fotob	TRI Facili	ty ID Numbe	r	2414	1RDF1	RDPOE	SOX
			BAE			iance System	s Inc.					
R	Radford Army A	Street Ammunition Plant, 4050 Pe	ppers Ferr	y Road			Mailing Ac		O Box 1	ical street	address)	
	Radford / N	City/County/Tribe/State/ZIP Code Montgomery / BIA Code:		141			City/Sta Radford	nte/ZIP Code / VA / 24	141		<u>Co</u>	untry (Non-US)
4.2		report contains information for : check a or b; check c or d if app		a. [X]	An En	tire facility	b. [] Part o	f a facility	a facility c.[] A F		cility	d. [X] GOCO
			ay Sto	ay Stewart jay.stewar		Email Addre		Telephone Number (include area code) 5406397785				
4.4 Public Contact name Chai			harlie	Saks	charles.	Email Addre	ess @mail.mil	Telephone Number (include area code 5407315785				
4.5		NAICS Code(s) (6 digits)		a. 3259 (Primar		b.	c.		d.		e.	f.
4.6						and Bradstreet						
	<u></u>				0783	er(s) (9 digits)						
				а.	b.							
SECTIO	N 5. PARENT CO	OMPANY INFORMATION			<u> </u>							
5.1	Name of U.S. Par (for TRI Reportin	ent Company		В	AE sy	ystems Inc., C	Ordnance S	ystems Inc	e			rent Company ting purposes) []
		s Dun & Bradstreet Number		NA []			07	8375499	· · · · · · · · · · · · · · · · · · ·	1	

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FOIA EXEMPT DO NOT RELEASE Page 2 of 5

1 2 3 4 5 Additional Info

ENFORCEMENT CONFIDENTIAL

					TRI	Facility ID Number	
	EPA FO	RM R			24141	RDFRDPOBOX	
	PART II. CHEMICAL - SP.	ECIFIC	INFORMATION		Toxic Chemica	l, Category, or Generic Name	
					Lea	d Compounds	
SECTIO	ON 1. TOXIC CHEMICAL IDENTITY (Im	portant: D	O NOT complete this section if you are report	ting a mix	ture component i	in Section 2 below.)	
	CAS Number (Important: Enter only or	ne number	exactly as it appears on the Section 313 list.	Enter cate	gory code if repo	orting a chemical category.)	
1.1			N420				
1.2	Toxic Chemical or Chemic	al Categor	y Name (Important: Enter only one name exa	ctly as it	appears on the Se	ection 313 list.)	
1.2			Lead Compounds				
			te only if Part I, Section 2.1 is checked "Yes"	. Generic	Name must be st	ructurally descriptive).	
1.3 NA			NA				
SECTIO	ON 2. MIXTURE COMPONENT IDENTITY (Impo	rtant: DO	NOT complete this section if you completed	Section 1	above.)		
	Generic Chemical Name Provid	ded by Sup	pplier (Important: Maximum of 70 characters,	including	numbers, spaces	s, and punctuation.)	
2.1			NA				
	ON 3. ACTIVITIES AND USES OF THE TOXIC C ant: Check all that apply.)	HEMICAI	L AT THE FACILITY				
3.1	Manufacture the toxic chemical:	3.2	Process the toxic chemical:	3.	3.3 Otherwise use the toxic chemical:		
	a. [] Produce b. [] Import	,			,		
	If produce or import: c. [] For on-site use/processing d. [] For sale/distribution e. [] As a byproduct f. [] As an impurity a. [] As a reactant b. [X] As a formulation component c. [] As an article component d. [] Repackaging e. [] As an impurity			b	As a chemical processing aid [] As a manufacturing aid [] Ancillary or other use		
SECTIO	ON 4. MAXIMUM AMOUNT OF THE TOXIC CH	EMICAL (ON-SITE AT ANY TIME DURING THE CA	LENDA	R YEAR		
4.1		[04	[] (Enter two-digit code from instruction pa	ckage.)			
SECTIO	ON 5.QUANTITY OF THE TOXIC CHEMICAL EN	NTERING	EACH ENVIRONMENTAL MEDIUM ON-	-SITE			
			A. Total Release (pounds/year*) (Enter range code or estimate**)		is of Estimate nter code)	C. Percent from Stormwater	
5.1	Fugitive or non-point air emissions	NA[]	3447		0		
5.2	Stack or point air emissions	NA[]	126		0		

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

Stream or Water Body Name

New River

NA []

Discharges to receiving streams or

5.3. 1

water bodies (Enter one name per box)

*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

30%

M2

67

DO NOT RELEASE Page 3 of 5 **ENFORCEMENT CONFIDENTIAL FOIA EXEMPT**

3 4 5 Additional Info

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

24141RDFRDPOBOX

Toxic Chemical, Category, or Generic Name

Lead Compounds

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (Continued)						
		NA	A. Total Release (pounds/year*) (Enter range code** or estimate)	B. Basis of Estimate (Enter code)		
5.4.1	Underground Injection on-site to Class I wells	[X]				
5.4.2	Underground Injection on-site to Class II-V wells	[X]				
5.5	Disposal to land on-site					
5.5.1.A	RCRA subtitle C landfills	[X]				
5.5.1.B	Other landfills	[X]				
5.5.2	Land treatment/application farming	[X]				
5.5.3A	RCRA Subtitle C surface impoundments	[X]				
5.5.3B	Other surface impoundments	[X]				
5.5.4	Other disposal	[X]				

NA [**X**]

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds. 2 3 4 5 Additional Info

TRI Facility ID Number

		EPA FOR	M R				24141RDFRD	POBOX		
	PART II. CHEMICAL -	SPECIFIC IN	NFORMATION (CONTINU	TOXIC Chemical, Category, or Generic N					2	
							Lead Compounds			
6.2 TRANS	SFERS TO OTHER OFF-SITE LO	OCATIONS	NA	[]						
	6.2.1 Off-Site EPA Iden	tification Number	(RCRA ID No.)				MND081138604			
	Off-Site L	Location Name:		<u> </u>	ALLIA	NT TE	CHSYSTEMS PROV	ING GROUND		
	Off-Si	te Address:		23100 SUGAR BUSH RD. N.W.					1	
City	SAINT FRANCIS	County	Anoka	State	MN	Zip 55070 Country (Non-US)				
	Is location under contro	ol of reporting facil	lity or parent company?				[] Yes [X] No		
	A. Total Transfer (pounds/yea (Enter range code** or estima		B. Basis of Estimate (Enter code)				ype of Waste Treatment/Ecling/Energy Recovery (E			
	1.538		1 . M2				1 . M99			
	6.2.2 Off-Site EPA Iden	tification Number	(RCRA ID No.)				LAD981055791			
	Off-Site L	Location Name:				CLEAN	HARBORS COLFA	X LLC		
	Off-Si	te Address:		<u> </u>	3763 HIGHWAY 471					
City	COLFAX	County	Grant	State LA Zip		Zip	714170000	Country (Non-US)		
	Is location under contro	ol of reporting facil	lity or parent company?	[] Yes [X] No						
	A. Total Transfer (pounds/yea (Enter range code** or estima	ar*) ate)	B. Basis of Estimate (Enter code)		C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)					
	1 . 1639		1 . M2		1 . M99					
	6.2.3 Off-Site EPA Iden	tification Number	(RCRA ID No.)			IAR000005876				
		ocation Name:			Ad	Advanced Environmental Technology Inc.				
	Off-Si	te Address:		Highway 79						
City	Middletown	County	Des Moines	State	IA	Zip	52638	Country (Non-US)		
	Is location under control	ol of reporting facil	lity or parent company?				[] Yes [X] No		
	A. Total Transfer (pounds/yea (Enter range code** or estima	ar*) ate)	B. Basis of Estimate (Enter code)			C. T Recyc	ype of Waste Treatment/Ling/Energy Recovery (E	Disposal/ Enter code)		
	1 . 430		1 . M2				1 . M99			
	6.2.4 Off-Site EPA Iden	tification Number	(RCRA ID No.)				MOD985798164			
	Off-Site L	ocation Name:			EBV	EXPLO	SIVES ENVIRONM	ENTAL C O		
	Off-Si	te Address:		3078 COUNTY RD 180						
City	JOPLIN	County	Jasper	State	МО	Zip	64801	Country (Non-US)		
	Is location under contro	ol of reporting facil	lity or parent company?				[] Yes [X] No		
	A. Total Transfer (pounds/yea (Enter range code** or estima		B. Basis of Estimate (Enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)						
	1.7		1 . M2				1 . M99			
	6.2.5 Off-Site EPA Iden		(RCRA ID No.)				OHD083377010			
		Location Name:			EN		MENTAL ENTERPI			
	Off-Si	te Address:		4650 SPRING GROVE AVENUE			ſ			
City	CINCINNATI	County	Hamilton	State	ОН	Zip	452321920	Country (Non-US)		
NEIC	Is location under contro	ol of reporting facil	lity or parent company? Appendix EPCRA 3	13 C			Radford Arrhy Amhh	nition Plant (RFAA	<u>AP)</u>	
	A. Total Transfer (pounds/yea	ar*)	B. Basis of Estimate			С. Т	ype of Waste Treatment/	Radford, Virgi Disposal	nia	

(Enter range code** or estimate) (Enter code)							Recy	cling/Energy Recovery (En	nter code)
ENFORCEMENT CONFIDENTIAL 1. M2 IA EXEMPT								1 . M94	DO NOT RELEASE
6.2.6 Off-Site EPA Identification Number (RCRA ID No.)								MID000724831	
		Off-Site L	ocation Name:				M	IICHIGAN DISPOSAI	L
		Off-Sit	e Address:				49	9350 194 SERVICE DR	ξ.
City	BELLE	VILLE	County	Wayne	State	State MI Zip 48111			Country (Non-US)
Is location under control of reporting facility or parent company?						[] Yes [X] No			
	A. Total Transfer (pounds/year*) (Enter range code** or estimate) B. Basis of Estimate (Enter code)					C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)			
	1	. 25		1 . M2	1 . M65				
			SECTION 7A.	ON-SITE WASTE TREATMENT	МЕТНО	DS AND	EFFICIE	ENCY	
	[] Not App	licable (NA) - Che	eck here if no on-s	ite waste treatment is applied to any	waste st	ream con	taining th	e toxic chemical or chemic	al category.
a. General Waste Stream (Enter code) b. Waste Treatment Method(s) Sequence (Enter 3- or 4-character code(s))					c. Waste Treatment Efficiency (Enter 2 character code)				
7A.1a 7A.1b					7A.1c				
	S		2	2 : H040				E6	
	7A.2a			7A.2b				7A.2c	
	W		2 : H (81 3: H123				E6	

*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

1 2 3 4 5 Additional Info

EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

24141RDFRDPOBOX

Toxic Chemical, Category, or Generic Name

Lead Compounds

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] NA - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [Enter 3-character code(s)]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] NA - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [Enter 3-character code(s)]

SECTIO	N 8. DISPOSAL OR OTHER RELEASES, SOURCE REDUCTION, AND RECYCL	ING ACTIVITIES			
		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	2315	3640	4000	4000
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	591.1	25	500	500
8.1d	Total other off-site disposal or other releases	19460.327	8224	10000	10000
8.2	Quantity used for energy recovery on-site	NA	NA	NA	NA
8.3	Quantity used for energy recovery off-site	NA	NA	NA	NA
8.4	Quantity recycled on-site	NA	NA	NA	NA
8.5	Quantity recycled off-site	193	NA	200	200
8.6	Quantity treated on-site	NA	NA	NA	NA
8.7	Quantity treated off-site	NA	NA	NA	NA
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pou	NA			
8.9	Production ratio or activity index		0.7		
8.10	Did your facility engage in any newly implemented source reduction activities for treporting year? If so, complete the following section; if not, check NA.	nis chemical during the		NA [X]	
	Source Reduction Activities (Enter code(s))	M	ethods to Identify Acti	vity (Enter code	e(s))
8.10. 1	NA				

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

*For Dioxin and Dioxin-like Compounds, report in grams/year

2	4 =	A 3 3141	1 TC.
/ 1	4 7	Additiona	LINIO

TRI Facility ID Number

24141RDFRDPOBOX

Toxic Chemical, Category, or Generic Name

Lead Compounds

Additional optional information on source reduction, recycling, or pollution control activities.

Miscellaneous, additional, or optional information regarding the Form R submission

Form Status: Certified and Sent to USEPA **Validation Status: Passed with Possible Errors**

1 2 3 4 5 Additional Info								25-0009					
(IMPORT	ANT: Read instruc	ctions before completing form; ty	pe or use fill-								Page 1 of 5		
									7	TRI Facil	ity ID Nun	iber	
Ţ	EPA United States	9.1. 9.1. 9.1. 7		ORM :		5.1			24141SDDSRPOBOX				
Enviro	nmental Protection Agency	Section 313 of the Eme also known as Title						36,	Toxic Chemical, Category, or Generic Name				
										Lead C	ompound	s	
	RE TO SEND LETED FORMS:	*** File Copy C	P.C Fairf	ta Processing D. Box 1016 fax, VA 220 ot <mark>Submit 1</mark>	3 138		PA ***		2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)				
		olies if you are revising or viously submitted form,	Re	vision (Ent	ter up t	to two code(s))	V	Vithdrawal (Enter up	to two co	ode(s))	
	otherwise	e leave blank:		[RR4	4][F	RR5]				[][]		
Importan	t: See Instructions	to determine when "Not Applica											
anamia.		VIII. 2012	Part I. FAC	CILITY IDE	NTIFIC	CATION INFO	ORMATION						
	N 1. REPORTING	YEAR : <u>2012</u> RET INFORMATION											
SECTIO	V 2. TRADE SEC.	RET INFORMATION		1									
2.1 Are you claiming the toxic chemical identified on page 2 trade secret? [] Yes (Answer questions 2.2; attach substantiation forms) [X] NO (Do not answer 2.2; go to Section 3) 2.2 Is this copy [] Sanitized [] Unsanitized (Answer only if "Yes" in 2.1)													
		TION (Important: Read and sign a											
	hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts nd values in this report are accurate based on reasonable estimates using data available to the preparers of this report.												
Name and official title of owner/operator or senior management official: Signature:				ure:					Date	Signed:			
File Co	py Only: Do No	ot Submit Paper Form to El	PA		File C	Copy Only: 1	Do Not Sub	mit Pape	r Form to E	PA	XX	XX/XXXX	
SECTION	N 4. FACILITY II	DENTIFICATION											
4.1							ity ID Numbe	er	241	41SDDS	SRPOBO	X	
		U.S.	ARMY RA			shment Name Y AMMUN	ITION PLA	ANT					
	RT 114 RAI	Street DFORD ARMY AMMUNIT	ΓΙΟΝ PLAN	NT					ferent from physical AMMUNI				
	RADFORD	<u>City/County/Tribe/State/ZIP Code</u> : / Montgomery / BIA Code:		1141		City/State/ZIP Code Country (RADFORD / VA / 24141					try (Non-US)		
4.2		report contains information for : check a or b; check c or d if appl		a. [X] A	An Enti	re facility	b. [] Part o	f a facility	c. [X] A	A Federal	l facility	d. [] GOCO	
4.3		Technical Contact name		Ja	ny Stew	vart	jay.stewa	Email Addr art@baes	ess ystems.com	Telephoi	ne Number (540639	include area code) 7785	
4.4		Public Contact name		Charlie Saks			charles.	Email Addr	ess y@mail.mil	Telephoi	ne Number (540731	include area code) 5785	
4.5		NAICS Code(s) (6 digits)		a. 928110 (Primary) b.			c.		d.		е.	f.	
4.6						d Bradstreet							
				1		r(s) (9 digits)							
a. NA				1									
CECTIC	N.S. DADENTE CO	MDANIV INICODALATION			b.								
5.1	Name of U.S. Par				US D	EPARTME	ENT OF DE	FENSE				nt Company	
	· · · · · ·	r TRI Reporting purposes) (for TRI Reporting purposes) (In the Company's Dun & Bradstreet Number (In the Company's						ig purposes) []					

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FOIA EXEMPT DO NOT RELEASE Page 2 of 5

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ENFORCEMENT CONFIDENTIAL

1 2 2	4 5 Additional Info										
					TRI F	Facility ID Number					
	EPA FO	RM R		24141SDDSRPOBOX							
	PART II. CHEMICAL - SP.	ECIFIC	INFORMATION	То	xic Chemical	l, Category, or Generic Name					
	Lead Compounds										
SECTIO	ECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.)										
	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)										
1.1			N420								
1.2	Toxic Chemical or Chemic	al Categor	y Name (Important: Enter only one name exa	ctly as it appe	ars on the Sec	ction 313 list.)					
1.2			Lead Compounds								
1.3	Generic Chemical Name (Importar	nt: Comple	te only if Part I, Section 2.1 is checked "Yes"	. Generic Nar	ne must be str	ructurally descriptive).					
1.5			NA								
SECTIO	N 2. MIXTURE COMPONENT IDENTITY (Impo	rtant: DO	NOT complete this section if you completed	Section 1 abov	ve.)						
2.1	Generic Chemical Name Provid	ded by Sur	pplier (Important: Maximum of 70 characters,	including nu	nbers, spaces	, and punctuation.)					
2.1			NA								
	N 3. ACTIVITIES AND USES OF THE TOXIC C nt: Check all that apply.)	HEMICAI	L AT THE FACILITY								
3.1	Manufacture the toxic chemical:	3.2	Process the toxic chemical:	3.3	Othe	erwise use the toxic chemical:					
	a. [] Produce b. [] Import										
	If produce or import: c. [] For on-site use/processing d. [] For sale/distribution e. [] As a byproduct f. [] As an impurity a. [] As a reactant a. [] As a chemical processing aid b. [X] As a formulation component c. [] As an article component d. [] Repackaging e. [] As an impurity a. [] As a chemical processing aid c. [] As a manufacturing aid c. [] As an impurity										
SECTIO	N 4. MAXIMUM AMOUNT OF THE TOXIC CH	EMICAL (ON-SITE AT ANY TIME DURING THE CA	LENDAR Y	E AR						
4.1		[04	[1] (Enter two-digit code from instruction page	ickage.)							
SECTIO	N 5.QUANTITY OF THE TOXIC CHEMICAL EN	NTERING	EACH ENVIRONMENTAL MEDIUM ON-	-SITE							
			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of (Enter		C. Percent from Stormwater					
5.1	Fugitive or non-point air emissions	NA[]	3447	0							
5.2	Stack or point air emissions	NA[]	126	0							

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

Stream or Water Body Name

New River

NA []

Discharges to receiving streams or

water bodies (Enter one name per box)

5.3

5.3. 1

*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

30%

M2

67

DO NOT RELEASE Page 3 of 5 **ENFORCEMENT CONFIDENTIAL FOIA EXEMPT**

3 4 5 Additional Info

EPA FORM R	
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUE)	D)

TRI	Facil	lits/ I	D N	Jumbe

24141SDDSRPOBOX

Toxic Chemical, Category, or Generic Name

Lead Compounds

SECTIO	SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (Continued)									
		NA	A. Total Release (pounds/year*) (Enter range code** or estimate)	B. Basis of Estimate (Enter code)						
5.4.1	Underground Injection on-site to Class I wells	[X]								
5.4.2	Underground Injection on-site to Class II-V wells	[X]								
5.5	Disposal to land on-site									
5.5.1.A	RCRA subtitle C landfills	[X]								
5.5.1.B	Other landfills	[X]								
5.5.2	Land treatment/application farming	[X]								
5.5.3A	RCRA Subtitle C surface impoundments	[X]								
5.5.3B	Other surface impoundments	[X]								
5.5.4	Other disposal	[X]								

NA [**X**]

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

C. Type of Waste Treatment/Disposal/Ord, Virginia

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A. Total Transfer (pounds/year*)

TRI Facility ID Number 24141SDDSRPOBOX EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED) Toxic Chemical, Category, or Generic Name **Lead Compounds** 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS NA [] LAD981055791 6.2.1 Off-Site EPA Identification Number (RCRA ID No.) Off-Site Location Name: **CLEAN HARBORS COLFAX LLC** Off-Site Address: **3763 HIGHWAY 471** Country City **COLFAX** County Grant State LA Zip 714170000 (Non-US) Is location under control of reporting facility or parent company? [] Yes [X] No B. Basis of Estimate C. Type of Waste Treatment/Disposal/ A. Total Transfer (pounds/year*) Recycling/Energy Recovery (Enter code) (Enter range code** or estimate) (Enter code) 1.1639 1. **M2** 1. **M65** 6.2.2 Off-Site EPA Identification Number (RCRA ID No.) MND081138604 Off-Site Location Name: ALLIANT TECHSYSTEMS PROVING GROUND Off-Site Address: 23100 SUGAR BUSH RD. N.W. Country City **SAINT FRANCIS** County **Anoka** State MN Zip 55070 (Non-US) Is location under control of reporting facility or parent company? [] Yes [X] No A. Total Transfer (pounds/year*) (Enter range code** or estimate) B. Basis of Estimate C. Type of Waste Treatment/Disposal/ (Enter code) Recycling/Energy Recovery (Enter code) 1.538 1. M2 1. **M99** OHD083377010 6.2.3 Off-Site EPA Identification Number (RCRA ID No.) **ENVIRONMENTAL ENTERPRISES INC** Off-Site Location Name: Off-Site Address: 4650 SPRING GROVE AVENUE Country City **CINCINNATI** State OH 452321920 Hamilton (Non-US) Is location under control of reporting facility or parent company? [] Yes [X] No A. Total Transfer (pounds/year*) (Enter range code** or estimate) B. Basis of Estimate C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code) (Enter code) 1.5610 1. M2 1. **M94** 6.2.4 Off-Site EPA Identification Number (RCRA ID No.) MOD985798164 Off-Site Location Name: EBV EXPLOSIVES ENVIRONMENTAL C O Off-Site Address: **3078 COUNTY RD 180** Country City **JOPLIN** State MO 64801 County **Jasper** Zip (Non-US) Is location under control of reporting facility or parent company? [] Yes [X] No A. Total Transfer (pounds/year*) B. Basis of Estimate C. Type of Waste Treatment/Disposal/ (Enter range code** or estimate) (Enter code) Recycling/Energy Recovery (Enter code) 1. M2 1.M65 6.2.5 Off-Site EPA Identification Number (RCRA ID No.) MID000724831 Off-Site Location Name: MICHIGAN DISPOSAL Off-Site Address: 49350 194 SERVICE DR Country City **BELLEVILLE** State MI 48111 Wayne Zip County (Non-US) Is location under control of reporting facility or parent company? NEICVP1068E02 Appendix EPCRA 313 C Radford Arrhy Ammunition Plant (REAAP)

B. Basis of Estimate

	(Enter range code** or estimate) (Enter of					Recycling/Energy Recovery (Enter code)				
EN	NFORCEMENT _I C	CONFIDENTIAL		1 . M2 IA EXEMPT				1 . M65	DO NOT RELEASE	E
	6.2.6 (Off-Site EPA Iden	tification Number	(RCRA ID No.)	IAR000005876					\equiv
		Off-Site L	ocation Name:			Ad	vanced	Environmental Techr	nology Inc.	
Off-Site Address:				Highway 79						
City	Middl	etown	County	Des Moines	State	IA	Zip	52638	Country (Non-US)	
Is location under control of reporting facility or parent company?						[] Yes [X] No				
A. Total Transfer (pounds/year*) (Enter range code** or estimate) B. Basis of Estimate (Enter code)								Type of Waste Treatment/I cling/Energy Recovery (E		
1 . 432 1 . M2								1 . M99		
	6.2.7 Off-Site EPA Identification Number (RCRA ID No.)							MND081138604		
	Off-Site Location Name:					ALLIA	NT TE	CHSYSTEMS PROVI	ING GROUND	
	Off-Site Address:						23100	SUGAR BUSH RD.	N.W.	
City	SAINT F	RANCIS	County	Anoka	State	MN	Zip	55070	Country (Non-US)	
<u>.</u>	Is loc	ation under contro	ol of reporting facil	ity or parent company?	[] Yes [X] No					
		ansfer (pounds/yea e code** or estima		B. Basis of Estimate (Enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)					
	1.1	1612.7		1 . C				1 . M99		
			SECTION 7A	ON-SITE WASTE TREATMENT I	МЕТНО	DS AND	EFFICIE	ENCY		\equiv
	[] Not App	olicable (NA) - Ch	eck here if no on-s	ite waste treatment is applied to any	waste st	ream cont	aining th	e toxic chemical or chemi	cal category.	
11	a. General aste Stream		b. Waste Treatr	nent Method(s) Sequence				c. Waste Treatme Efficiency	ent	
	Enter code)		(Enter 3- or	4-character code(s))				(Enter 2 character c	ode)	
	7A.1a			7A.1b				7A.1c		
	S		2	2 : H040				E6		
	7A.2a			7A.2b	7A.2c					
	W 2: H081 3: H123							E6		

^{*}For Dioxin and Dioxin-like Compounds, report in grams/year

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1 2 3 4 5 Additional Info

EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

24141SDDSRPOBOX

Toxic Chemical, Category, or Generic Name

Lead Compounds

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] NA - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [Enter 3-character code(s)]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] NA - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [Enter 3-character code(s)]

LCIIC	N 8. DISPOSAL OR OTHER RELEASES, SOURCE REDUCTION, AND RE	I	ICTIVITIES	C 1 P	0.1. 0	G 1 B	
		P	olumn A rior Year unds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Followin Year (pounds/year*)	
8.1							
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA	
8.1b	Total other on-site disposal or other releases		2315	3640	4000	4000	
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		591.1	1671	500	500	
8.1d	Total other off-site disposal or other releases	19	460.327	8192.7	10000	10000	
8.2	Quantity used for energy recovery on-site		NA	NA	NA	NA	
8.3	Quantity used for energy recovery off-site		NA	NA	NA	NA	
8.4	Quantity recycled on-site		NA	NA	NA	NA	
8.5	Quantity recycled off-site		193	NA	200	200	
8.6	Quantity treated on-site		NA	NA	NA	NA	
8.7	Quantity treated off-site		NA	NA	NA	NA	
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes	es (pounds/ye	ear)	NA NA			
8.9	Production ratio or activity index		0.7				
8.10	Did your facility engage in any newly implemented source reduction activities reporting year? If so, complete the following section; if not, check	NA [X]					
	Source Reduction Activities (Enter code(s))		Me	Methods to Identify Activity (Enter code(s))			
8.10. 1	NA						

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

*For Dioxin and Dioxin-like Compounds, report in grams/year

EIII OIIOEMEIII OOM IBEITIME	I OII (EXEMI)
1 2 3 4 5 Additional Info	

TRI Facility ID Number

24141SDDSRPOBOX

Toxic Chemical, Category, or Generic Name

Lead Compounds

Additional optional information on source reduction, recycling, or pollution control activities.

Miscellaneous, additional, or optional information regarding the Form R submission

*** Draft Form Only: Do Not Submit to EPA ***

Form Status: Pending Certification

Validation Status: Passed w/ Data Quality Alerts

2 3 4 5 Additional Info													
IMPORT.	ANT: Read instruc	ctions before completing form; typ	oe or use fill	-and-print fo	orm)		Approval	Expires: 1	0/31/2014			Page 1 of 5	
			_		_				T	RI Facil	ity ID N	umber	
	EPA		ŀ	ORM	R				24141RDFRDPOBOX				
	Jnited States nmental Protection Agency	Section 313 of the Emeralso known as Title I										or Generic Name	
										Nitı	ic acid		
	RE TO SEND LETED FORMS:	1 *** Draft For		2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)									
		olies if you are revising or viously submitted form,	Re	evision (En	ter up	to two code(s))		Withdrawal (l	Enter up	to two	code(s))	
		e leave blank:			[][]		<u> </u>		[][]]		
Importan	t: See Instructions	to determine when "Not Applicat	ole (NA)" bo	oxes should l	be che	cked.							
			Part I. FAC	CILITY IDE	NTIF	ICATION INFO	DRMATION						
	N 1. REPORTING												
SECTION	N 2. TRADE SECI	RET INFORMATION											
2.1 Are you claiming the toxic chemical identified on page 2 trade secret? [] Yes (Answer questions 2.2; attach substantiation forms) [X] NO (Do not answer 2.2; go to Section 3) 2.2 Is this copy [] Sanitized [] Unsanitized (Answer only if "Yes" in 2.1)													
		YON (Important: Read and sign a											
and value	hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.												
Name and official title of owner/operator or senior management official:				:		Signature:						e Signed:	
Draft Form Only: Do Not Submit to EPA						Draft Forn	n Only: Do	Not Sul	omit to EPA		XX	/XX/XXXX	
SECTION	N 4. FACILITY ID	DENTIFICATION											
4.1							ty ID Numbe	er	2414	1RDFI	RDPOI	BOX	
			BAE			lishment Name ance System	s Inc.						
R	Radford Army A	Street Ammunition Plant, 4050 Pep	pers Ferr	y Road			Mailing A		PO Box 1	ical street	address)		
	Radford / N	City/County/Tribe/State/ZIP Code Montgomery / BIA Code: /	/VA / 241	City/State/Z Radford / V			ate/ZIP Cod / VA /			<u>Co</u>	untry (Non-US)		
4.2		report contains information for : check a or b; check c or d if appl	icable)	a. [X] .	An En	tire facility	b. [] Part o	of a facility	y c.[]AF	ederal fa	cility	d. [X] GOCO	
4.3		Technical Contact name		Ja	ay Ste	ewart	jay.stew	Email Ad art@bae	dress esystems.com	Telepho		er (include area code) 397785	
4.4		Public Contact name		Cl	harlie	Saks	charles.	Email Ade.saks3.c	dress iv@mail.mil	Telepho		er (include area code) 315785	
4.5		NAICS Code(s) (6 digits)		a. 325920 (Primary) b.		c.		d.		e.	f.		
Dun and Bradstreet Number(s) (9 digits)													
a. 078375499													
					b.								
SECTIO	N 5. PARENT CO	MPANY INFORMATION											
	Name of U.S. Pare (for TRI Reporting			В	AE sy	stems Inc., C	Ordnance S	ystems l	nc.			rent Company rting purposes) []	
5.2	Parent Company's	Dun & Bradstreet Number	Bradstreet Number NA []						078375499				

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FOIA EXEMPT DO NOT RELEASE
Page 2 of 5

1 2 3	4 5 Additional Info					Page 2 of 5			
					TRI F	acility ID Number			
	EPA FO	RM R		24141RDFRDPOBOX					
	PART II. CHEMICAL - SP	ECIFIC I	NFORMATION	Toxic Chemical, Category, or Generic Name					
	Nitric acid								
SECTIO	ECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.)								
1.1	CAS Number (Important: Enter only or	ne number ex	xactly as it appears on the Section 313 list. E	nter categor	y code if repor	ting a chemical category.)			
1.1		7697372							
1.0	Toxic Chemical or Chemic	cal Category	Name (Important: Enter only one name exact	ctly as it app	ears on the Sec	tion 313 list.)			
1.2		Nitric acid							
	Generic Chemical Name (Importar	nt: Complete	only if Part I, Section 2.1 is checked "Yes".	Generic Na	ne must be stru	ucturally descriptive).			
1.3			NA						
SECTIO	N 2. MIXTURE COMPONENT IDENTITY (Impo	ortant: DO NO	OT complete this section if you completed S	ection 1 abo	ve.)				
	Generic Chemical Name Provide	ded by Suppl	ier (Important: Maximum of 70 characters, i	including nu	mbers, spaces,	and punctuation.)			
2.1			NA						
	on 3. ACTIVITIES AND USES OF THE TOXIC Cont. Check all that apply.)	HEMICAL A	AT THE FACILITY						
3.1	Manufacture the toxic chemical:	3.2	Process the toxic chemical:	3.3	Other	wise use the toxic chemical:			
	a. [X] Produce b. [] Import								
	If produce or import: a. [X] As a reactant c. [X] For on-site use/processing d. [X] For sale/distribution e. [] As a byproduct f. [] As an impurity a. [X] As a reactant b. [] As a formulation component c. [] As an article component d. [] Repackaging f. [] As an impurity a. [] As a chemical processing aid b. [] As a manufacturing aid c. [] An or impurity c. [] An or impurity								
SECTIO	N 4. MAXIMUM AMOUNT OF THE TOXIC CH	EMICAL ON	N-SITE AT ANY TIME DURING THE CA	LENDAR Y	EAR				
4.1		[06] (Enter two-digit code from instruction pac	kage.)					
SECTIO	N 5.QUANTITY OF THE TOXIC CHEMICAL E	NTERING E.	ACH ENVIRONMENTAL MEDIUM ON-S	SITE					
			A. Total Release (pounds/year*) (Enter range code or estimate**)		of Estimate er code)	C. Percent from Stormwater			
5.1	Fugitive or non-point air emissions	NA []	692.2	I	21				
5.2	Stack or point air emissions	NA []	622.9		C				

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

Stream or Water Body Name

NA

NA [X]

Discharges to receiving streams or

water bodies (Enter one name per box)

5.3

5.3.1

ENFORCEMENT CONFIDENTIAL

*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

DO NOT RELEASE Page 3 of 5 **FOIA EXEMPT**

ENFORCEMENT CONFIDENTIAL

3 4 5 Additional Info

EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

	Numbe

24141RDFRDPOBOX

Toxic Chemical, Category, or Generic Name

Nitric acid

SECTIO	SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (Continued)									
		NA	A. Total Release (pounds/year*) (Enter range code** or estimate)	B. Basis of Estimate (Enter code)						
5.4.1	Underground Injection on-site to Class I wells	[X]								
5.4.2	Underground Injection on-site to Class II-V wells	[X]								
5.5	Disposal to land on-site									
5.5.1.A	RCRA subtitle C landfills	[X]								
5.5.1.B	Other landfills	[X]								
5.5.2	Land treatment/application farming	[X]								
5.5.3A	RCRA Subtitle C surface impoundments	[X]								
5.5.3B	Other surface impoundments	[X]								
5.5.4	Other disposal	[1]	0	0						

NA [X]

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6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

1 2 3	4 5 Additiona	<u>ii inio</u>								
								TRI Facility ID I	Number	
	EPA FORM R						24141RDFRDPOBOX			
	PART II. C	CHEMICAL - SPEC	CIFIC IN	FORMATION (CONTINU	JED)			Toxic Chemical, Category,	or Generic Name	
								Nitric aci	i	
6.2 TRAI	NSFERS TO OTH	HER OFF-SITE LOCATIO	IONS	NA	[X]					
	6.2.1 (Off-Site EPA Identification	on Number (RCRA ID No.)						
		Off-Site Location	n Name:					NA		
		Off-Site Addre	lress:							
City		Co	County		State		Zip		Country (Non-US)	
	Is loc	ation under control of repo	porting facili	ity or parent company?				[] Yes [] N	10	
		ansfer (pounds/year*) e code** or estimate)		B. Basis of Estimate (Enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)					
		SEC	CTION 7A.	ON-SITE WASTE TREATMENT	METHO	DS AND	EFFICIE	ENCY		
	[] Not App	olicable (NA) - Check here	re if no on-si	ite waste treatment is applied to any	waste str	eam cont	aining the	e toxic chemical or chemical	al category.	
a. General Waste Stream (Enter code) b. Waste Treatment Method(s) Sequence (Enter 3- or 4-character code(s))				c. Waste Treatment Efficiency (Enter 2 character code)						
	7A.1a			7A.1b				7A.1c		
	W		2 : H1	21 3: H123	E2					

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

^{*}For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

1 2 3 4 5 Additional Info

EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

24141RDFRDPOBOX

Toxic Chemical, Category, or Generic Name

Nitric acid

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] NA - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [Enter 3-character code(s)]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[] NA - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [Enter 3-character code(s)]

1 . **H39**

	1.1107						
SECTION 8. DISPOSAL OR OTHER RELEASES, SOURCE REDUCTION, AND RECYCLING ACTIVITIES							
			Column A Prior Year ounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)	
8.1							
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA	
8.1b	Total other on-site disposal or other releases		2806.8	1315.1	3500	3500	
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA	
8.1d	Total other off-site disposal or other releases		NA	NA	NA	NA	
8.2	Quantity used for energy recovery on-site		NA NA		NA	NA	
8.3	Quantity used for energy recovery off-site		NA NA		NA	NA	
8.4	Quantity recycled on-site	4	7970000 38885615		60000000	60000000	
8.5	Quantity recycled off-site		NA	NA	NA	NA	
8.6	Quantity treated on-site	1	2771624	7392794	11000000	11000000	
8.7	Quantity treated off-site		NA	NA	NA	NA	
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processe	s (pounds/	year)	NA			
8.9	Production ratio or activity index			0.62			
8.10	Did your facility engage in any newly implemented source reduction activities reporting year? If so, complete the following section; if not, check	hemical during the	NA [X]				
	Source Reduction Activities (Enter code(s))		Me	ethods to Identify Activ	vity (Enter code((s))	
8.10. 1	NA						

EPA Form 9350-1 (Rev. 10/2012) - Previous editions are obsolete.

*For Dioxin and Dioxin-like Compounds, report in grams/year

2	4 =	A 3 3 1 4 1 1	TC.
/ 1	4 7	 Additional 	inio

TRI Facility ID Number

24141RDFRDPOBOX

Toxic Chemical, Category, or Generic Name

Nitric acid

Additional optional information on source reduction, recycling, or pollution control activities.

Miscellaneous, additional, or optional information regarding the Form R submission

Form Status: Certified and Sent to USEPA **Validation Status: Passed with Possible Errors**

1 2 3	4 5 Additional		Form Approved OMB Number: 2025-0009									
		ctions before completing form; ty	pe or use fill	-and-print f	orm)		Approval	Expires: 10				Page 1 of 5
	ED.		-		ODM D					'RI Facil	ity ID Num	ıber
ī	EPA United States		ORM R					24141SDDSRPOBOX				
	nmental Protection Agency			ng and Community Right-to-know Act of 1986, rfund Amendments and Reauthorization Act.					Toxic Chemical, Category, or Generic Name			
										Nitr	ric acid	
WHE	ERE TO SEND			ata Processii O. Box 101		nter			2 A DDI	ODDIA	TE STATE	OFFICE
	LETED FORMS:		Fair	rfax, VA 22	038						ns in Appe	
		*** File Copy (Only: Do N	ot Submit	Pape	er Form to El	PA ***	<u> </u>				
		blies if you are revising or viously submitted form,	Re	evision (E	nter u	p to two code((s))	'	Withdrawal (l	Enter up	to two co	ode(s))
WI		e leave blank:		[RF	R4]	[RR5]				[][]	
Importan	t: See Instructions	to determine when "Not Applica	ıble (NA)" bo	oxes should	be che	ecked.		•				
			Part I. FA	CILITY IDI	ENTIF	FICATION INF	ORMATION					
	N 1. REPORTING											
SECTIO	N 2. TRADE SEC	RET INFORMATION			1			1				
		xic chemical identified on page 2		?	2.2 Is	s this copy						
		uestions 2.2; attach substantiation answer 2.2; go to Section 3)	n forms)				l [] Unsaniti: ly if "Yes" ir					
	[A] NO (Bo not	answer 2.2, go to section 3)				(7 Hiswer on	iy ii Tes ii	2.1)				
		TION (Important: Read and sign										
		reviewed the attached documents accurate based on reasonable es						itted inforr	nation is true a	nd comp	lete and tha	t the amounts
		owner/operator or senior manager				nature:					Date	Signed:
File Co	py Only: Do No	ot Submit Paper Form to El	PA		File	Copy Only:	Do Not Sul	omit Pape	er Form to E	PA	XX	XX/XXXX
SECTIO	N 4. FACILITY II	DENTIFICATION										
4.1						TRI Facil	ity ID Numb	er	241	41SDDS	SRPOBO	X
		U.S.	. ARMY R			blishment Name MY AMMUN	ITION PL	ANT				
	RT 114 RAI	Street OFORD ARMY AMMUNIT	ΓΙΟΝ PLA	NT		Mailing Address (if different from physical street address) RADFORD ARMY AMMUNITION PLANT						
	RADFORD	City/County/Tribe/State/ZIP Code / Montgomery / BIA Code		4141		City/State/ZIP Code Country (Nor RADFORD / VA / 24141				ry (Non-US)		
		report contains information for :		1		<u></u>		1			J	1
4.2		check a or b; check c or d if app		a. [X]	An Eı	ntire facility	b. [] Part o	of a facility	c. [X] A	A Federa	l facility	d.[]GOCO
4.3		Technical Contact name		J	ay St	ewart	jay.stew	Email Add art@baes	ress systems.com	Telephor	ne Number (1	include area code) 1785
4.4		Public Contact name		C	harli	e Saks	charles.	Email Add e.saks3.ci	ress v@mail.mil	Telephor	ne Number (1	include area code) 5785
4.5		NAICS Code(s) (6 digits)		a. 9281 (Primar		b.	c.		d.		е.	f.
4.6						and Bradstreet ber(s) (9 digits)						
	<u></u>				a. N							
					b							
SECTIO	N 5. PARENT CC	OMPANY INFORMATION										
5.1	Name of U.S. Par	ent Company			US	US DEPARTMENT OF DEFENSE No U.S. Parent Company						
	(for TRI Reportin Parent Company's	g purposes) s Dun & Bradstreet Number		NA [X		(for TRI Reporting purposes)					g purposes) []	
				4 14 A L 41		1						

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3 4 5 Additional Info TRI Facility ID Number 24141SDDSRPOBOX EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION Toxic Chemical, Category, or Generic Name Nitric acid SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.) CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) 1.1 7697372 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) 1.2 Nitric acid Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive). 1.3 NA SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.) Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, spaces, and punctuation.) 2.1 NA SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.) Manufacture the toxic chemical: Process the toxic chemical: 3.3 3.1 3.2 Otherwise use the toxic chemical: a. [X] Produce b. [] Import If produce or import: a. [X] As a reactant c. [X] For on-site use/processing a. [] As a chemical processing aid b. [] As a formulation component d. [X] For sale/distribution c. [] As an article component b. [] As a manufacturing aid c. [] Ancillary or other use d. [] Repackaging e. [] As a byproduct f. [] As an impurity e. [] As an impurity SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR [06] (Enter two-digit code from instruction package.) SECTION 5.0UANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE A. Total Release (pounds/year*) B. Basis of Estimate C. Percent from Stormwater (Enter range code or estimate**) (Enter code) Fugitive or non-point 692.2 5.1 NA [] **E1** air emissions 622.9 Stack or point 5.2 \mathbf{C} NA[]

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Stream or Water Body Name

New River

NA[]

Discharges to receiving streams or

water bodies (Enter one name per box)

*For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

M2

0%

Radford, Virginia

air emissions

5.3

5.3. 1

0

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3 4 5 Additional Info

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

[**X**]

[**X**]

[**X**]

[**X**]

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (Continued)

TDI	Ecollists.	/ ID Nu	l
IKI	raciiii	/ 112 INU	mne

24141SDDSRPOBOX

Toxic Chemical, Category, or Generic Name

Nitric acid

		NA	A. Total Release (pounds/year*) (Enter range code** or estimate)	B. Basis of Estimate (Enter code)
	Underground Injection on-site to Class I wells	[X]		
	Underground Injection on-site to Class II-V wells	[X]		
5.5	Disposal to land on-site			
5.5.1.A	RCRA subtitle C landfills	[X]		
5.5.1.B	Other landfills	[X]		

SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS					
6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)	NA [X]				

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Land treatment/application

5.5.2

5.5.3A

5.5.3B

5.5.4

farming

RCRA Subtitle C

Other disposal

surface impoundments Other surface impoundments

> *For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

1 2 3 4 5 Additional Info

								TRI Facility ID I	Number	
	EPA FORM R							24141SDDSRP	OBOX	
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUE)						Toxic Chemical, Category, or Generic				
						Nitric acid				
6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS NA []										
	6.2.1 C	Off-Site EPA Ident	ification Number	(RCRA ID No.)				MID074259565		
		Off-Site L	ocation Name:					DYNECOL INC		
		Off-Sit	te Address:					6520 GEORGIA		
City	DETR	OIT	County	Wayne	State	MI	Zip	482111594	Country (Non-US)	
	Is loca	ation under contro	l of reporting facil	ity or parent company?				[] Yes [X]	No	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				B. Basis of Estimate (Enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)					
	1.7	040.6		1. C	1 . M95					
6.2.2 Off-Site EPA Identification Number (RCRA ID No.)										
	6.2.2 C	Off-Site EPA Ident	ification Number	(RCRA ID No.)				TXD000838896		
	6.2.2 C		ification Number	(RCRA ID No.)	VEOI	LIA ES	TECHN	TXD000838896 IICAL SOLUTIONS L FACILITY	LC PORT AR	THUR
	6.2.2 C	Off-Site L		(RCRA ID No.)	VEOI	LIA ES	TECHN	ICAL SOLUTIONS L	LC PORT AR	THUR
City	PORT AI	Off-Site L	ocation Name:	(RCRA ID No.) Jefferson	VEOI State	TX	TECHN Zip	ICAL SOLUTIONS L FACILITY	Country (Non-US)	THUR
City	PORT AI	Off-Site L Off-Sit	cocation Name: te Address: County				1	IICAL SOLUTIONS L FACILITY 7665 HWY 73	Country (Non-US)	THUR
City	PORT Al Is loca A. Total Tra	Off-Site L Off-Site RTHUR ation under contro	cocation Name: te Address: County I of reporting facil r*)	Jefferson			Zip C. T	TACILITY	Country (Non-US)	THUR
City	PORT Al Is loca A. Total Tra (Enter range	Off-Site L Off-Sit RTHUR ation under contro	cocation Name: te Address: County I of reporting facil r*)	Jefferson ity or parent company? B. Basis of Estimate			Zip C. T	TICAL SOLUTIONS L FACILITY 7665 HWY 73 776432563	Country (Non-US)	THUR
City	PORT Al Is loca A. Total Tra (Enter range	Off-Site L Off-Site RTHUR ation under contro nsfer (pounds/yea code** or estima	cocation Name: te Address: County I of reporting facil r*) te)	Jefferson ity or parent company? B. Basis of Estimate (Enter code)	State	TX	Zip C. T Recyd	7665 HWY 73 776432563 [] Yes [X] Type of Waste Treatment/Dicling/Energy Recovery (En	Country (Non-US)	THUR
	PORT Al Is loca A. Total Tra (Enter range) 1.	Off-Site L Off-Sit RTHUR ation under contro nsfer (pounds/yea e code** or estima 872	cocation Name: te Address: County I of reporting facil r*) te) SECTION 7A.	Jefferson ity or parent company? B. Basis of Estimate (Enter code) 1. C	State	TX DS AND	Zip C. T Recyo	TICAL SOLUTIONS L FACILITY 7665 HWY 73 776432563 [] Yes [X] Type of Waste Treatment/Dicling/Energy Recovery (Ent. 1 . M95	Country (Non-US) No isposal/ ter code)	THUR
a W	PORT AI Is loca A. Total Tra (Enter range)	Off-Site L Off-Sit RTHUR ation under contro nsfer (pounds/yea e code** or estima 872	cocation Name: te Address: County I of reporting facil r*) te) SECTION 7A. eck here if no on-s b. Waste Treatn	Jefferson ity or parent company? B. Basis of Estimate (Enter code) 1 . C ON-SITE WASTE TREATMENT	State	TX DS AND	Zip C. T Recyo	TICAL SOLUTIONS L FACILITY 7665 HWY 73 776432563 [] Yes [X] Type of Waste Treatment/Dicling/Energy Recovery (Ent. 1 . M95	Country (Non-US) No isposal/ ter code) al category.	THUR
a W	PORT Al Is loca A. Total Tra (Enter range) 1. [] Not App a. General aste Stream	Off-Site L Off-Sit RTHUR ation under contro nsfer (pounds/yea e code** or estima 872	cocation Name: te Address: County I of reporting facil r*) te) SECTION 7A. eck here if no on-s b. Waste Treatn	Jefferson ity or parent company? B. Basis of Estimate (Enter code) 1 . C ON-SITE WASTE TREATMENT ite waste treatment is applied to anyment Method(s) Sequence	State	TX DS AND	Zip C. T Recyo	TICAL SOLUTIONS L FACILITY 7665 HWY 73 776432563 [] Yes [X] Type of Waste Treatment/Dicling/Energy Recovery (Ent. 1 . M95 ENCY e toxic chemical or chemical or chemical c. Waste Treatmen Efficiency	Country (Non-US) No isposal/ ter code) al category.	THUR

^{*}For Dioxin and Dioxin-like Compounds, report in grams/year **Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

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1 2 3 4 5 Additional Info

EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

24141SDDSRPOBOX

Toxic Chemical, Category, or Generic Name

Nitric acid

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[$\bf X$] NA - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [Enter 3-character code(s)]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[] NA - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [Enter 3-character code(s)]

1 . **H39**

CECTIO		CVCLING	A CTIVITIES				
SECTIO	N 8. DISPOSAL OR OTHER RELEASES, SOURCE REDUCTION, AND RE		Column A Prior Year ounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)	
8.1							
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA	
8.1b	Total other on-site disposal or other releases		2806.8	1315.1	3500	3500	
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		NA	NA	NA	NA	
8.1d	Total other off-site disposal or other releases		NA	NA	NA	NA	
8.2	Quantity used for energy recovery on-site		NA		NA	NA	
8.3	Quantity used for energy recovery off-site		NA NA		NA	NA	
8.4	Quantity recycled on-site	4	7970000	38885615	60000000	60000000	
8.5	Quantity recycled off-site		NA	NA	NA	NA	
8.6	Quantity treated on-site	1	2771624	7392794	11000000	11000000	
8.7	Quantity treated off-site		NA	7912.6	10000	10000	
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processe	es (pounds/	year)	NA NA			
8.9	Production ratio or activity index			0.62			
8.10	Did your facility engage in any newly implemented source reduction activities reporting year? If so, complete the following section; if not, check	hemical during the	NA [X]				
	Source Reduction Activities (Enter code(s))		Me	ethods to Identify Acti	vity (Enter code((s))	
8.10. 1	NA						

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*For Dioxin and Dioxin-like Compounds, report in grams/year

 2	4	_	Additional Info
 	4	.)	Additional into

TRI Facility ID Number

24141SDDSRPOBOX

Toxic Chemical, Category, or Generic Name

Nitric acid

Additional optional information on source reduction, recycling, or pollution control activities.

Miscellaneous, additional, or optional information regarding the Form R submission